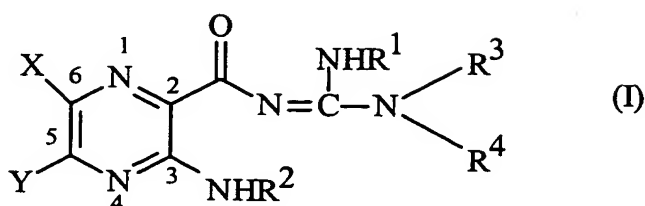


Claims:

1. A compound represented by formula (I):



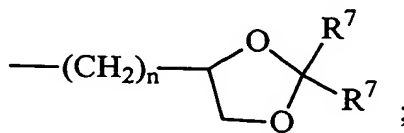
wherein

X is hydrogen, halogen, trifluoromethyl, lower alkyl, unsubstituted or substituted phenyl, lower alkyl-thio, phenyl-lower alkyl-thio, lower alkyl-sulfonyl, or phenyl-lower alkyl-sulfonyl;

Y is hydrogen, hydroxyl, mercapto, lower alkoxy, lower alkyl-thio, halogen, lower alkyl, unsubstituted or substituted mononuclear aryl, or $-N(R^2)_2$;

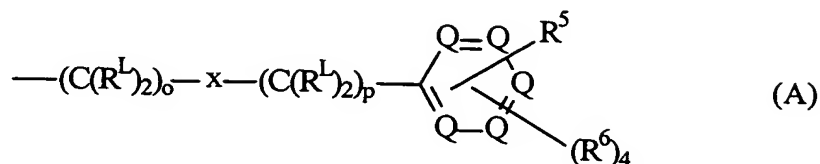
R^1 is hydrogen or lower alkyl;

each R^2 is, independently, $-R^7$, $-(CH_2)_m-OR^8$, $-(CH_2)_m-NR^7R^{10}$, $-(CH_2)_n(CHOR^8)(CHOR^8)_n-CH_2OR^8$, $-(CH_2CH_2O)_m-R^8$, $-(CH_2CH_2O)_m-CH_2CH_2NR^7R^{10}$, $-(CH_2)_n-C(=O)NR^7R^{10}$, $-(CH_2)_n-Z_g-R^7$, $-(CH_2)_m-NR^{10}-CH_2(CHOR^8)(CHOR^8)_n-CH_2OR^8$, $-(CH_2)_n-CO_2R^7$, or



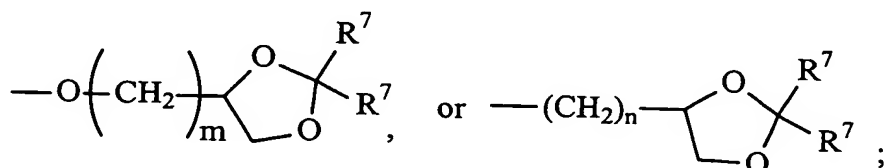
R^3 and R^4 are each, independently, hydrogen, a group represented by formula (A), lower alkyl, hydroxy lower alkyl, phenyl, phenyl-lower alkyl, (halophenyl)-lower alkyl, lower-(alkylphenylalkyl), lower (alkoxyphenyl)-lower alkyl, naphthyl-lower alkyl, or

pyridyl- lower alkyl, with the proviso that at least one of R^3 and R^4 is a group represented by formula (A):



wherein

each R^{L} is, independently, $-\text{R}^7$, $-(\text{CH}_2)_n\text{---OR}^8$, $-\text{O}-(\text{CH}_2)_m\text{---OR}^8$, $-(\text{CH}_2)_n\text{---NR}^7\text{R}^{10}$, $-\text{O}-(\text{CH}_2)_m\text{---NR}^7\text{R}^{10}$, $-(\text{CH}_2)_n(\text{CHOR}^8)(\text{CHOR}^8)_n\text{---CH}_2\text{OR}^8$, $-\text{O}-(\text{CH}_2)_m(\text{CHOR}^8)(\text{CHOR}^8)_n\text{---CH}_2\text{OR}^8$, $-(\text{CH}_2\text{CH}_2\text{O})_m\text{---R}^8$, $-\text{O}-(\text{CH}_2\text{CH}_2\text{O})_m\text{---R}^8$, $-(\text{CH}_2\text{CH}_2\text{O})_m\text{---CH}_2\text{CH}_2\text{NR}^7\text{R}^{10}$, $-\text{O}-(\text{CH}_2\text{CH}_2\text{O})_m\text{---CH}_2\text{CH}_2\text{NR}^7\text{R}^{10}$, $-(\text{CH}_2)_n\text{---C(=O)NR}^7\text{R}^{10}$, $-\text{O}-(\text{CH}_2)_m\text{---C(=O)NR}^7\text{R}^{10}$, $-(\text{CH}_2)_n\text{---(Z)}_g\text{---R}^7$, $-\text{O}-(\text{CH}_2)_m\text{---(Z)}_g\text{---R}^7$, $-(\text{CH}_2)_n\text{---NR}^{10}\text{---CH}_2(\text{CHOR}^8)(\text{CHOR}^8)_n\text{---CH}_2\text{OR}^8$, $-\text{O}-(\text{CH}_2)_m\text{---NR}^{10}\text{---CH}_2(\text{CHOR}^8)(\text{CHOR}^8)_n\text{---CH}_2\text{OR}^8$, $-(\text{CH}_2)_n\text{---CO}_2\text{R}^7$, $-\text{O}-(\text{CH}_2)_m\text{---CO}_2\text{R}^7$, $-\text{OSO}_3\text{H}$, $-\text{O-glucuronide}$, $-\text{O-glucose}$,



each o is, independently, an integer from 0 to 10;

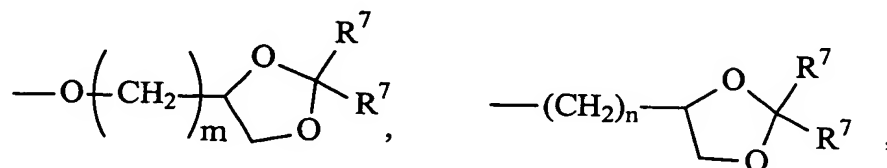
each p is an integer from 0 to 10;

with the proviso that the sum of o and p in each contiguous chain is from 1 to 10;

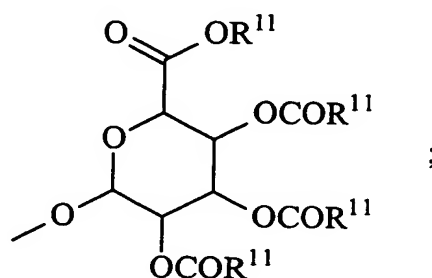
each x is, independently, O , NR^{10} , C(=O) , CHOH , $\text{C(=N-R}^{10})$, $\text{CHNR}^7\text{R}^{10}$, or represents a single bond;

each R^5 is, independently, $-(\text{CH}_2)_m\text{---OR}^8$, $-\text{O}-(\text{CH}_2)_m\text{---OR}^8$, $-(\text{CH}_2)_n\text{---NR}^7\text{R}^{10}$, $-\text{O}-(\text{CH}_2)_m\text{---NR}^7\text{R}^{10}$, $-(\text{CH}_2)_n(\text{CHOR}^8)(\text{CHOR}^8)_n\text{---CH}_2\text{OR}^8$, $-\text{O}-(\text{CH}_2)_m(\text{CHOR}^8)(\text{CHOR}^8)_n\text{---CH}_2\text{OR}^8$, $-(\text{CH}_2\text{CH}_2\text{O})_m\text{---R}^8$,

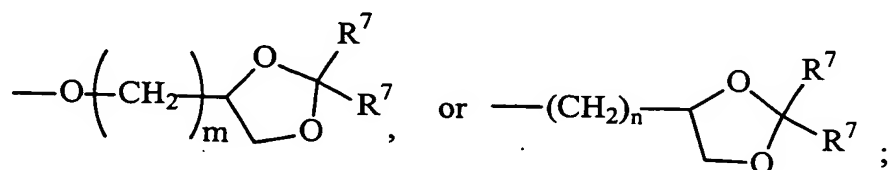
$-\text{O}-(\text{CH}_2\text{CH}_2\text{O})_m-\text{R}^8$, $-(\text{CH}_2\text{CH}_2\text{O})_m-\text{CH}_2\text{CH}_2\text{NR}^7\text{R}^{10}$,
 $-\text{O}-(\text{CH}_2\text{CH}_2\text{O})_m-\text{CH}_2\text{CH}_2\text{NR}^7\text{R}^{10}$, $-(\text{CH}_2)_n-\text{C}(=\text{O})\text{NR}^7\text{R}^{10}$,
 $-\text{O}-(\text{CH}_2)_m-\text{C}(=\text{O})\text{NR}^7\text{R}^{10}$, $-(\text{CH}_2)_n-(\text{Z})_g-\text{R}^7$, $-\text{O}-(\text{CH}_2)_m-(\text{Z})_g-\text{R}^7$,
 $-(\text{CH}_2)_n-\text{NR}^{10}-\text{CH}_2(\text{CHOR}^8)(\text{CHOR}^8)_n-\text{CH}_2\text{OR}^8$,
 $-\text{O}-(\text{CH}_2)_m-\text{NR}^{10}-\text{CH}_2(\text{CHOR}^8)(\text{CHOR}^8)_n-\text{CH}_2\text{OR}^8$,
 $-(\text{CH}_2)_n-\text{CO}_2\text{R}^7$, $-\text{O}-(\text{CH}_2)_m-\text{CO}_2\text{R}^7$, $-\text{OSO}_3\text{H}$, $-\text{O-glucuronide}$, $-\text{O-glucose}$,



or



each R^6 is, independently, $-\text{R}^7$, $-\text{OR}^{11}$, $-\text{N}(\text{R}^7)_2$, $-(\text{CH}_2)_m-\text{OR}^8$,
 $-\text{O}-(\text{CH}_2)_m-\text{OR}^8$, $-(\text{CH}_2)_n-\text{NR}^7\text{R}^{10}$, $-\text{O}-(\text{CH}_2)_m-\text{NR}^7\text{R}^{10}$,
 $-(\text{CH}_2)_n(\text{CHOR}^8)(\text{CHOR}^8)_n-\text{CH}_2\text{OR}^8$, $-\text{O}-(\text{CH}_2)_m(\text{CHOR}^8)(\text{CHOR}^8)_n-\text{CH}_2\text{OR}^8$,
 $-(\text{CH}_2\text{CH}_2\text{O})_m-\text{R}^8$, $-\text{O}-(\text{CH}_2\text{CH}_2\text{O})_m-\text{R}^8$, $-(\text{CH}_2\text{CH}_2\text{O})_m-\text{CH}_2\text{CH}_2\text{NR}^7\text{R}^{10}$,
 $-\text{O}-(\text{CH}_2\text{CH}_2\text{O})_m-\text{CH}_2\text{CH}_2\text{NR}^7\text{R}^{10}$, $-(\text{CH}_2)_n-\text{C}(=\text{O})\text{NR}^7\text{R}^{10}$,
 $-\text{O}-(\text{CH}_2)_m-\text{C}(=\text{O})\text{NR}^7\text{R}^{10}$, $-(\text{CH}_2)_n-(\text{Z})_g-\text{R}^7$, $-\text{O}-(\text{CH}_2)_m-(\text{Z})_g-\text{R}^7$,
 $-(\text{CH}_2)_n-\text{NR}^{10}-\text{CH}_2(\text{CHOR}^8)(\text{CHOR}^8)_n-\text{CH}_2\text{OR}^8$,
 $-\text{O}-(\text{CH}_2)_m-\text{NR}^{10}-\text{CH}_2(\text{CHOR}^8)(\text{CHOR}^8)_n-\text{CH}_2\text{OR}^8$,
 $-(\text{CH}_2)_n-\text{CO}_2\text{R}^7$, $-\text{O}-(\text{CH}_2)_m-\text{CO}_2\text{R}^7$, $-\text{OSO}_3\text{H}$, $-\text{O-glucuronide}$, $-\text{O-glucose}$,

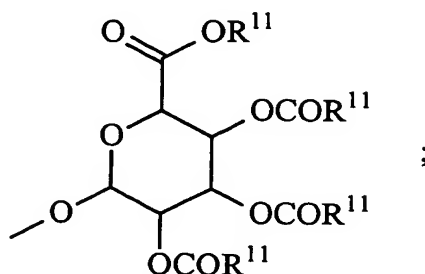


wherein when two R^6 are $-\text{OR}^{11}$ and are located adjacent to each other on a phenyl ring, the alkyl moieties of the two R^6 may be bonded together to form a methylenedioxy

group;

each R^7 is, independently, hydrogen or lower alkyl;

each R^8 is, independently, hydrogen, lower alkyl, $-C(=O)-R^{11}$, glucuronide, 2-tetrahydropyranyl, or



each R^9 is, independently, $-\text{CO}_2R^7$, $-\text{CON}(R^7)_2$, $-\text{SO}_2\text{CH}_3$, or $-C(=O)R^7$;

each R^{10} is, independently, $-\text{H}$, $-\text{SO}_2\text{CH}_3$, $-\text{CO}_2R^7$, $-C(=O)\text{NR}^7R^9$, $-C(=O)R^7$, or $-\text{CH}_2-(\text{CHOH})_n-\text{CH}_2\text{OH}$;

each Z is, independently, CHOH , $\text{C}(=\text{O})$, CHNR^7R^{10} , $\text{C}=\text{NR}^{10}$, or NR^{10} ;

each R^{11} is, independently, lower alkyl;

each g is, independently, an integer from 1 to 6;

each m is, independently, an integer from 1 to 7;

each n is, independently, an integer from 0 to 7;

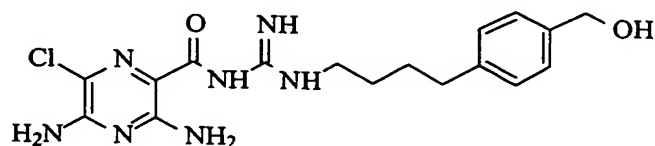
each Q is, independently, $\text{C}-R^5$, $\text{C}-R^6$, or a nitrogen atom, wherein at most three Q in a ring are nitrogen atoms;

or a pharmaceutically acceptable salt thereof, and

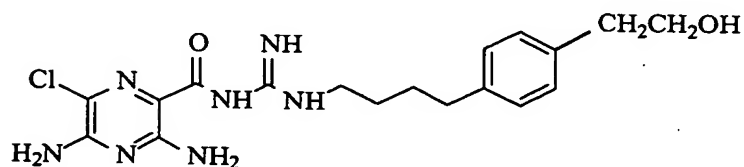
inclusive of all enantiomers, diastereomers, and racemic mixtures thereof.

2. The compound of Claim 1, wherein Y is $-\text{NH}_2$.
3. The compound of Claim 2, wherein R^2 is hydrogen.
4. The compound of Claim 3, wherein R^1 is hydrogen.
5. The compound of Claim 4, wherein X is chlorine.

6. The compound of Claim 5, wherein R^3 is hydrogen.
7. The compound of Claim 6, wherein each R^1 is hydrogen.
8. The compound of Claim 7, wherein o is 4.
9. The compound of Claim 8, wherein p is 0.
10. The compound of Claim 9, wherein x represents a single bond.
11. The compound of Claim 10, wherein each R^6 is hydrogen.
12. The compound of Claim 11, wherein at most one Q is a nitrogen atom.
13. The compound of Claim 12, wherein no Q is a nitrogen atom.
14. The compound of Claim 13, wherein R^5 is $-(CH_2)_m-OR^8$.
15. The compound of Claim 14, which is represented by the formula:

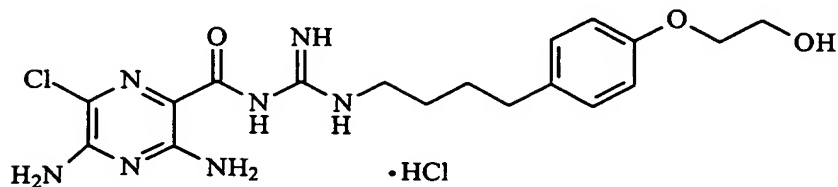


16. The compound of Claim 14, which is represented by the formula:

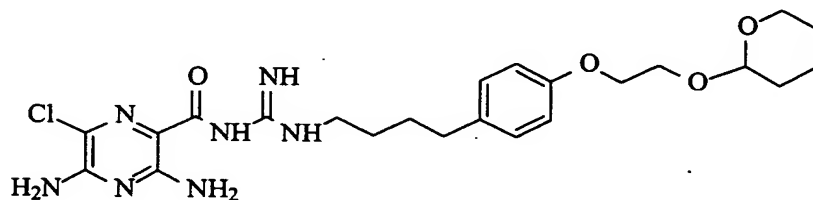


17. The compound of Claim 13, wherein R^5 is $-O-(CH_2)_m-OR^8$.

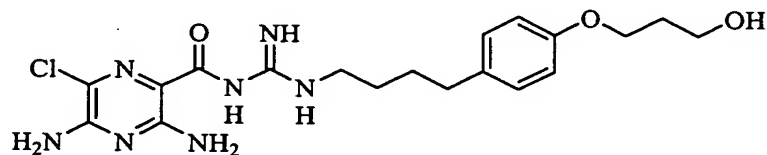
18. The compound of Claim 17, which is represented by the formula:



19. The compound of Claim 17, which is represented by the formula:

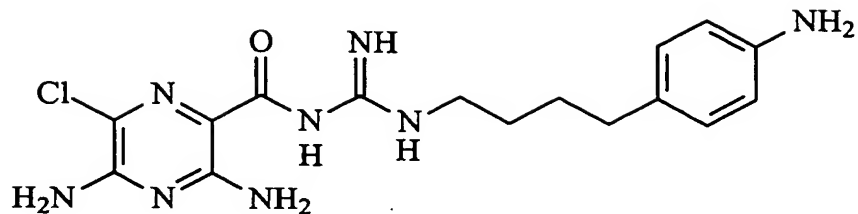


20. The compound of Claim 17, which is represented by the formula:



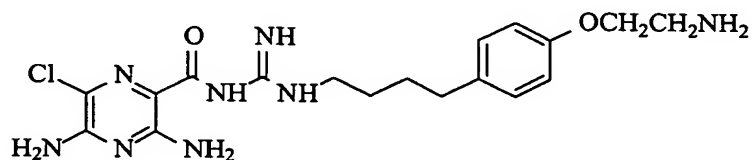
21. The compound of Claim 13, wherein R^5 is $-(CH_2)_n-NR^7R^{10}$.

22. The compound of Claim 21, which is represented by the formula:

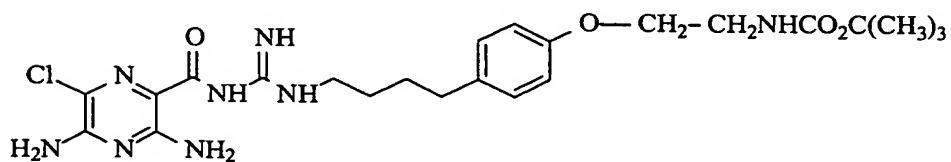


23. The compound of Claim 13, wherein R^5 is $-O-(CH_2)_m-NR^7R^{10}$.

24. The compound of Claim 23, which is represented by the formula:



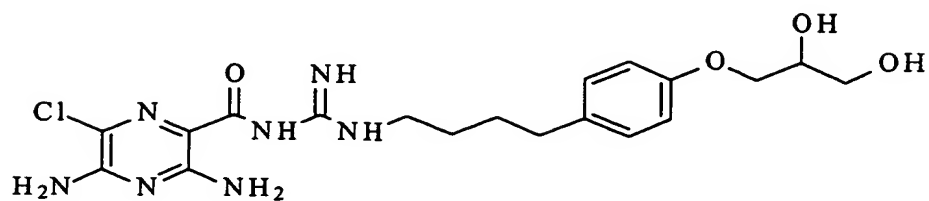
25. The compound of Claim 23, which is represented by the formula:



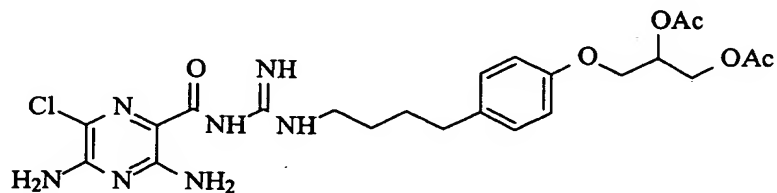
26. The compound of Claim 13, wherein R^5 is $-(CH_2)_n(CHOR^8)(CHOR^8)_n-CH_2OR^8$.

27. The compound of Claim 13, wherein R^5 is $-O-(CH_2)_m(CHOR^8)(CHOR^8)_n-CH_2OR^8$.

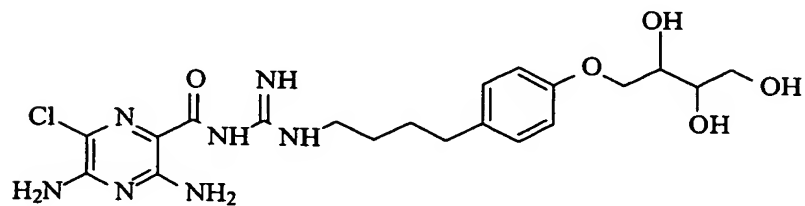
28. The compound of Claim 27, which is represented by the formula:



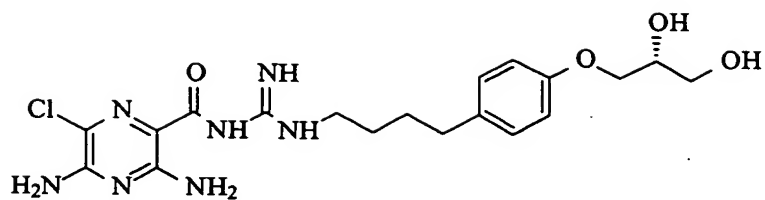
29. The compound of Claim 27, which is represented by the formula:



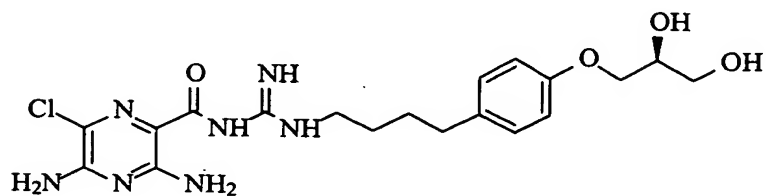
30. The compound of Claim 27, which is represented by the formula:



31. The compound of Claim 27, which is represented by the formula:



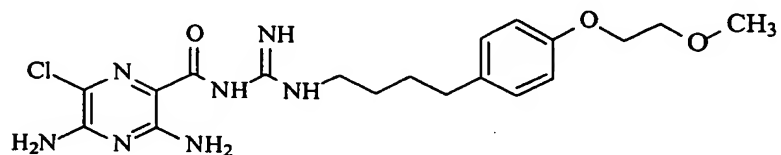
32. The compound of Claim 27, which is represented by the formula:



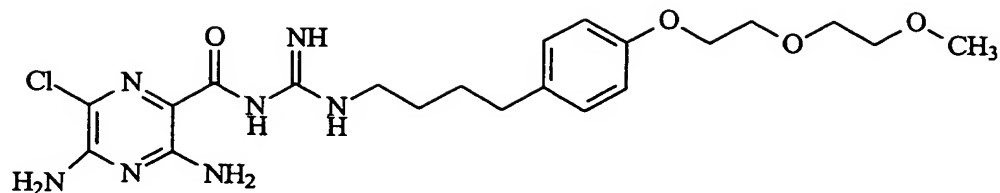
33. The compound of Claim 13, wherein R^5 is $-(CH_2CH_2O)_m-R^8$.

34. The compound of Claim 13, wherein R^5 is $-O-(CH_2CH_2O)_m-R^8$.

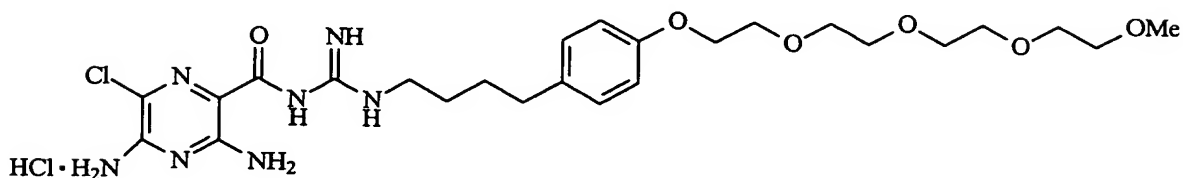
35. The compound of Claim 34, which is represented by the formula:



36. The compound of Claim 34, which is represented by the formula:



37. The compound of Claim 34, which is represented by the formula:



38. The compound of Claim 13, wherein R^5 is $-(CH_2CH_2O)_m-CH_2CH_2NR^7R^{10}$.

39. The compound of Claim 13, wherein R^5 is $-O-(CH_2CH_2O)_m-CH_2CH_2NR^7R^{10}$.

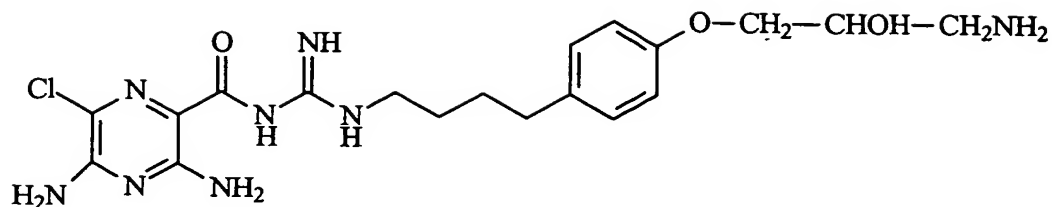
40. The compound of Claim 13, wherein R^5 is $-(CH_2)_n-C(=O)NR^7R^{10}$.

41. The compound of Claim 13, wherein R^5 is $-O-(CH_2)_m-C(=O)NR^7R^{10}$.

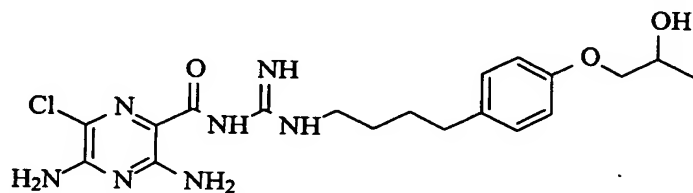
42. The compound of Claim 13, wherein R^5 is $-(CH_2)_n-(Z)_g-R^7$.

43. The compound of Claim 13, wherein R^5 is $-O-(CH_2)_m-(Z)_g-R^7$.

44. The compound of Claim 43, which is represented by the formula:



45. The compound of Claim 43, which is represented by the formula:



46. The compound of Claim 13, wherein R^5 is $-(CH_2)_n-NR^{10}-CH_2(CHOR^8)$
 $(CHOR^8)_n-CH_2OR^8$.

47. The compound of Claim 13, wherein R^5 is $-O-(CH_2)_m-NR^{10}-CH_2(CHOR^8)$
 $(CHOR^8)_n-CH_2OR^8$.

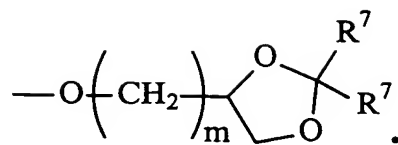
48. The compound of Claim 13, wherein R^5 is $-O-(CH_2)_m-CO_2R^7$.

49. The compound of Claim 13, wherein R^5 is $-OSO_3H$.

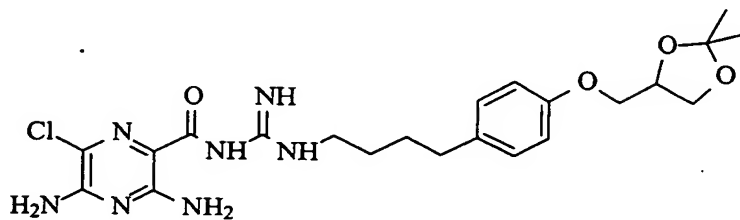
50. The compound of Claim 13, wherein R^5 is $-O$ -glucuronide.

51. The compound of Claim 13, wherein R^5 is $-O$ -glucose.

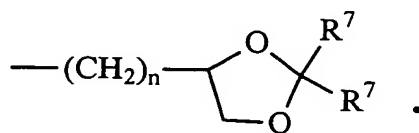
52. The compound of Claim 13, wherein R^5 is



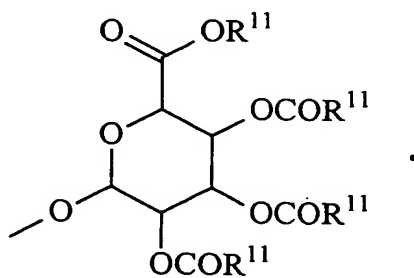
53. The compound of Claim 52, which is represented by the formula:



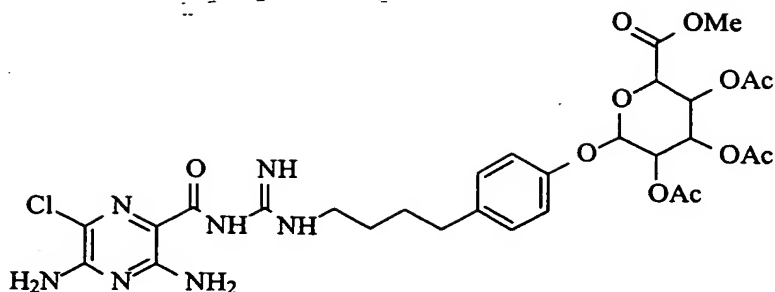
54. The compound of Claim 13, wherein R^5 is



55. The compound of Claim 13, wherein R^5 is



56. The compound of Claim 55, which is represented by the formula:



57. The compound of Claim 1, wherein

X is halogen;

Y is $-N(R^7)_2$;

R^1 is hydrogen or C_1 - C_3 alkyl;

R^2 is $-R^7$, $-(CH_2)_m-OR^8$, or $-(CH_2)_n-CO_2R^7$;

R^3 is a group represented by formula (A); and

R^4 is hydrogen, a group represented by formula (A), or lower alkyl;

58. The compound of Claim 57, wherein

X is chloro or bromo;

Y is $-N(R^7)_2$;

R^2 is hydrogen or C_1 - C_3 alkyl;

at most three R^6 are other than hydrogen as defined above;

at most three R^L are other than hydrogen as defined above; and

at most 2 Q are nitrogen atoms.

59. The compound of Claim 58, wherein Y is $-NH_2$.

60. The compound of Claim 59, wherein R^4 is hydrogen;

at most one R^L is other than hydrogen as defined above;

at most two R^6 are other than hydrogen as defined above; and

at most 1 Q is a nitrogen atom.

61. The compound of Claim 1, wherein R^5 is $-(CH_2)_m-OR^8$.
62. The compound of Claim 1, wherein R^5 is $-O-(CH_2)_m-OR^8$.
63. The compound of Claim 1, wherein R^5 is $-(CH_2)_n-NR^7R^{10}$.
64. The compound of Claim 1, wherein R^5 is $-O-(CH_2)_m-NR^7R^{10}$.
65. The compound of Claim 1, wherein R^5 is $-(CH_2)_n(CHOR^8)(CHOR^8)_n-CH_2OR^8$.
66. The compound of Claim 1, wherein R^5 is $-O-(CH_2)_m(CHOR^8)(CHOR^8)_n-CH_2OR^8$.
67. The compound of Claim 1, wherein R^5 is $-(CH_2CH_2O)_m-R^8$.
68. The compound of Claim 1, wherein R^5 is $-O-(CH_2CH_2O)_m-R^8$.
69. The compound of Claim 1, wherein R^5 is $-(CH_2CH_2O)_m-CH_2CH_2NR^7R^{10}$.
70. The compound of Claim 1, wherein R^5 is $-O-(CH_2CH_2O)_m-CH_2CH_2NR^7R^{10}$.
71. The compound of Claim 1, wherein R^5 is $-(CH_2)_n-C(=O)NR^7R^{10}$.
72. The compound of Claim 1, wherein R^5 is $-O-(CH_2)_m-C(=O)NR^7R^{10}$.
73. The compound of Claim 1, wherein R^5 is $-(CH_2)_n-(Z)_g-R^7$.
74. The compound of Claim 1, wherein R^5 is $-O-(CH_2)_m-(Z)_g-R^7$.
75. The compound of Claim 1, wherein R^5 is $-(CH_2)_n-NR^{10}-CH_2(CHOR^8)(CHOR^8)_n-CH_2OR^8$.

76. The compound of Claim 1, wherein R⁵ is -O-(CH₂)_m-NR¹⁰-CH₂(CHOR⁸)(CHOR⁸)_n-CH₂OR⁸.

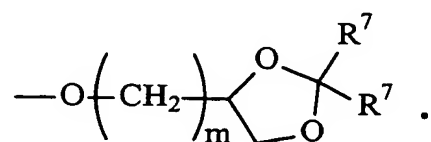
77. The compound of Claim 1, wherein R⁵ is -O-(CH₂)_m-CO₂R⁷.

78. The compound of Claim 1, wherein R⁵ is -OSO₃H.

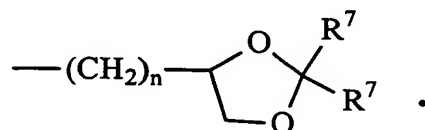
79. The compound of Claim 1, wherein R⁵ is -O-glucuronide.

80. The compound of Claim 1, wherein R⁵ is -O-glucose.

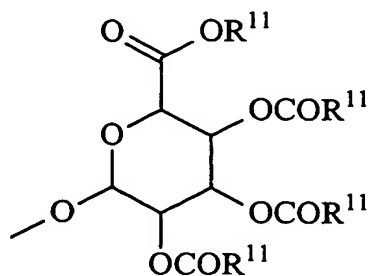
81. The compound of Claim 1, wherein R⁵ is



82. The compound of Claim 1, wherein R⁵ is



83. The compound of Claim 1, wherein R^5 is



84. The compound of Claim 1, wherein x is a single bond.
85. The compound of Claim 1, which is in the form of a pharmaceutically acceptable salt.
86. A pharmaceutical composition, comprising the compound of Claim 1 and a pharmaceutically acceptable carrier.
87. A method of promoting hydration of mucosal surfaces, comprising:
administering an effective amount of the compound of Claim 1 to a mucosal surface of a subject.
88. A method of restoring mucosal defense, comprising:
topically administering an effective amount of the compound of Claim 1 to a mucosal surface of a subject in need thereof.
89. A method of blocking sodium channels, comprising:
contacting sodium channels with an effective amount of the compound of Claim 1.
90. A method of treating chronic bronchitis, comprising:
administering an effective amount of the compound of Claim 1 to a subject in need thereof.
91. A method of treating cystic fibrosis, comprising:
administering an effective amount of the compound of Claim 1 to a subject in need thereof.
92. A method of treating sinusitis, comprising:
administering an effective amount of the compound of Claim 1 to a subject in need thereof.
93. A method of treating vaginal dryness, comprising:

administering an effective amount of the compound of Claim 1 to the vaginal tract of a subject in need thereof.

94. A method of treating dry eye, comprising:
administering an effective amount of the compound of Claim 1 to the eye of a subject in need thereof.

95. A method of promoting ocular hydration, comprising:
administering an effective amount of the compound of Claim 1 to the eye of a subject.

96. A method of promoting corneal hydration, comprising:
administering an effective amount of the compound of Claim 1 to the eye of a subject.

97. A method of promoting mucus clearance in mucosal surfaces, comprising:
administering an effective amount of the compound of Claim 1 to a mucosal surface of a subject.

98. A method of treating Sjogren's disease, comprising:
administering an effective amount of the compound of Claim 1 to a subject in need thereof.

99. A method of treating distal intestinal obstruction syndrome, comprising:
administering an effective amount of the compound of Claim 1 to a subject in need thereof.

100. A method of treating dry skin, comprising:
administering an effective amount of the compound of Claim 1 to the skin of a subject in need thereof.

101. A method of treating esophagitis, comprising:
administering an effective amount of the compound of Claim 1 to a subject in need thereof.

102. A method of treating dry mouth (xerostomia), comprising:
administering an effective amount of the compound of Claim 1 to the mouth of a
subject in need thereof.

103. A method of treating nasal dehydration, comprising:
administering an effective amount of the compound of Claim 1 to the nasal passages
of a subject in need thereof.

104. The method of Claim 103, wherein the nasal dehydration is brought on by
administering dry oxygen to the subject.

105. A method of preventing ventilator-induced pneumonia , comprising:
administering an effective amount of the compound of Claim 1 to a subject on a
ventilator.

106. A method of treating asthma, comprising:
administering an effective amount of the compound of Claim 1 to a subject in need
thereof.

107. A method of treating primary ciliary dyskinesia, comprising:
administering an effective amount of the compound of Claim 1 to a subject in need
thereof.

108. A method of treating otitis media, comprising:
administering an effective amount of the compound of Claim 1 to a subject in need
thereof.

109. A method of inducing sputum for diagnostic purposes, comprising:
administering an effective amount of the compound of Claim 1 to a subject in need
thereof.

110. A method of treating chronic obstructive pulmonary disease, comprising:
administering an effective amount of the compound of Claim 1 to a subject in need
thereof.

111. A method of treating emphysema, comprising:
administering an effective amount of the compound of Claim 1 to a subject in need
thereof.

112. A method of treating pneumonia, comprising:
administering an effective amount of the compound of Claim 1 to a subject in need
thereof.

113. A method of treating constipation, comprising:
administering an effective amount of the compound of Claim 1 to a subject in need
thereof.

114. The method of Claim 113, wherein the compound is administered orally or via a
suppository or enema.

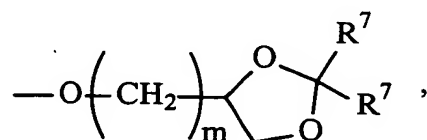
115. A method of treating chronic diverticulitis, comprising:
administering an effective amount of the compound of Claim 1 to a subject in need
thereof.

116. A method of treating rhinosinusitis, comprising:
administering an effective amount of the compound of Claim 1 to a subject in need
thereof.

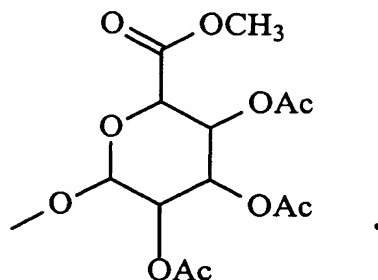
117. A composition, comprising:
the compound of Claim 1; and
a P2Y2 inhibitor.

118. A composition, comprising:
the compound of Claim 1; and
a bronchodilator.

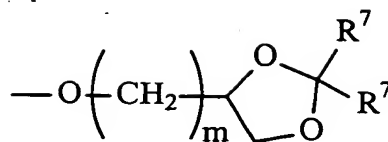
119. The compound of Claim 1, wherein R^5 is selected from the group consisting of
-O-(CH₂)₃-OH, -NH₂, -O-CH₂-(CHOH)₂-CH₂OH -O-CH₂-CHOH-CH₂OH,
-O-CH₂CH₂-O-tetrahydropyran-2-yl, -O-CH₂CHOH-CH₂-O-glucuronide,
-O-CH₂CH₂OH, -O-(CH₂CH₂O)₄-CH₃, -O-CH₂CH₂OCH₃,
-O-CH₂-(CHOC(=O)CH₃)-CH₂-OC(=O)CH₃, -O-(CH₂CH₂O)₂-CH₃,
-OCH₂-CHOH-CHOH-CH₂OH, -CH₂OH, -CO₂CH₃,



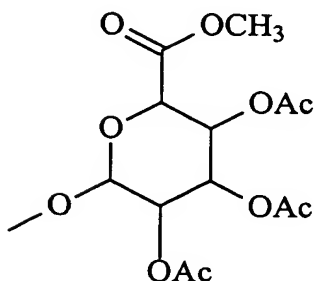
and



120. The compound of Claim 1, wherein R^5 is selected from the group consisting of
para -O-(CH₂)₃-OH, para -NH₂, para -O-CH₂-(CHOH)₂-CH₂OH, ortho -O-CH₂-
CHOH-CH₂OH, meta -O-CH₂-CHOH-CH₂OH, para -O-CH₂CH₂-O-tetrahydropyran-
2-yl, para -O-CH₂CHOH-CH₂-O-glucuronide, para -O-CH₂CH₂OH, para -O-
(CH₂CH₂O)₄-CH₃, para -O-CH₂CH₂OCH₃, para -O-CH₂-(CHOC(=O)CH₃)-CH₂-
OC(=O)CH₃, para -O-(CH₂CH₂O)₂-CH₃, -OCH₂-CHOH-CHOH-CH₂OH, para -
CH₂OH, para -CO₂CH₃, para -SO₃H, para -O-glucuronide, para



and
para



121. The compound of Claim 119, wherein
X is chloro or bromo;
Y is -N(R⁷)₂;
R¹ is hydrogen or C₁-C₃ alkyl;
R² is hydrogen or C₁-C₃ alkyl;
R³ is a group represented by formula (A); and
R⁴ is hydrogen, a group represented by formula (A), or lower alkyl;
at most three R⁶ are other than hydrogen as defined above;
at most three R^L are other than hydrogen as defined above; and
at most 2 Q are nitrogen atoms.

122. The compound of Claim 121, wherein
R⁴ is hydrogen;
at most one R^L is other than hydrogen as defined above;
at most two R⁶ are other than hydrogen as defined above; and
at most 1 Q is a nitrogen atom.

123. The compound of Claim 120, wherein
X is chloro or bromo;
Y is $-N(R^7)_2$;
 R^1 is hydrogen or C_1 - C_3 alkyl;
 R^2 is hydrogen or C_1 - C_3 alkyl;
 R^3 is a group represented by formula (A); and
 R^4 is hydrogen, a group represented by formula (A), or lower alkyl;
at most three R^6 are other than hydrogen as defined above;
at most three R^L are other than hydrogen as defined above; and
at most 2 Q are nitrogen atoms.

124. The compound of Claim 123, wherein
 R^4 is hydrogen;
at most one R^L is other than hydrogen as defined above;
at most two R^6 are other than hydrogen as defined above; and
at most 1 Q is a nitrogen atom.